

IN THE CLAIMS

The following is a complete listing of the claims, and replaces all earlier versions and listings.

1. (Previously Presented) Method of transcoding digital data coded according to a first coding mode into digital data coded according to a second coding mode, comprising the steps of:

detecting an inactivity of resources useful for the transcoding; and
transcoding the digital data coded according to the first coding mode into the digital data coded according to the second coding mode, when the inactivity is detected,

wherein the second coding mode is a coding according to which data is coded by an amplitude curve representing the amplitude of the data along a path amongst the data.

2. (Previously Presented) Method according to Claim 1, further comprising the steps of:

detecting a request demanding data coded according to the first coding mode;

verifying that the data demanded is coded according to the second coding mode; and

transcoding the data coded according to the second coding mode into data coded according to the first coding mode, if a result obtained in said verifying step is positive.

3. (Previously Presented) Method according to Claim 1 or 2, further comprising the step of:

selecting an order of transcoding of the digital data coded according to the first coding mode into the digital data coded according to the second coding mode.

4. (Previously Presented) Method according to Claim 3, in which the transcoding order is determined according to the size of the files containing the data to be transcoded.

5. (Previously Presented) Method according to Claim 3, in which the transcoding order is determined according to the frequency of requesting the files containing the data to be transcoded.

6. (Previously Presented) Transcoding method according to Claims 1 or 2, in which the first coding mode is a coding according to the JPEG standard.

7. (Previously Presented) Transcoding method according to Claims 1 or 2, in which the first coding mode is a coding according to the JPEG2000 standard.

8. (Canceled)

9. (Previously Presented) Transcoding method according to Claims 1 or 2, in which the data is a digital image.

10. (Previously Presented) Device for transcoding digital data coded according to a first coding mode into digital data coded according to a second coding mode, comprising:

means of detecting an inactivity of resources useful for the transcoding; and

means of transcoding the digital data coded according to the first coding mode into the digital data coded according to the second coding mode, when the inactivity is detected,

wherein the second coding mode is a coding according to which data is coded by an amplitude curve representing the amplitude of the data along a path amongst the data.

11. (Previously Presented) Device according to Claim 10, further comprising:

means of detecting a request demanding data coded according to the first coding mode;

means of verifying that the data demanded is coded according to the

second coding mode; and

means of transcoding the data coded according to the second coding mode into data coded according to the first coding mode, if a result of said means of verifying is positive.

12. (Previously Presented) Device according to Claim 10 or 11, further comprising:

means of selecting an order of transcoding of the digital data coded according to the first coding mode into the digital data coded according to the second coding mode.

13. (Previously Presented) Device according to Claim 12, adapted to determine the transcoding order according to the size of the files containing the data to be transcoded.

14. (Previously Presented) Device according to Claim 12, adapted to determine the transcoding order according to the frequency of requesting the files containing the data to be transcoded.

15. (Previously Presented) Transcoding device according to Claims 10 or 11, adapted to implement a first coding mode, which is a coding according to the JPEG standard.

16. (Previously Presented) Transcoding device according to Claims 10 or 11, adapted to implement a first coding mode, which is a coding according to the JPEG2000 standard.

17. (Canceled)

18. (Previously Presented) Transcoding device according to Claims 10 or 11, adapted to process data which is a digital image.

19. (Previously Presented) Transcoding device according to Claims 10 or 11, wherein said detection and transcoding means are incorporated in:

a microprocessor,

a read only memory containing a program for processing the data,

and

a random access memory containing registers adapted to record variables modified during the execution of said program.

20. (Previously Presented) Digital data processing apparatus, comprising means adapted to implement the method according to Claims 1 or 2.

21. (Previously Presented) Digital data processing apparatus, comprising the device according to Claims 10 or 11.

22. (Previously Presented) Digital data processing apparatus according to Claim 20, wherein said apparatus forms part of a peer-to-peer network.

23. (Previously Presented) Digital photographic apparatus, comprising means adapted to implement the method according to Claims 1 or 2.

24. (Previously Presented) Digital photographic apparatus, comprising the device according to Claims 10 or 11.

25. (Currently Amended) [[A]] The computer-readable storage medium storing a computer program for implementing the method according to Claims 1 or 2.

26. (Currently Amended) [[A]] The computer-readable storage medium according to claim 25, wherein said computer-readable storage medium is detachably mountable on a device according to Claims 10 or 11.

27. (Previously Presented) A computer-readable storage medium according to Claim 25, wherein said computer-readable storage medium is a floppy disk or a CD-ROM.

28. (Currently Amended) A computer-readable storage medium storing a computer program ~~stored on a computer-readable storage medium~~, comprising program

instructions adapted to implement the method according to Claim 1, when the computer program is loaded and executed in a computer system.